

(i)

Name ≈ Owais Afridi

ID ≈ 13686

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Question:- 03:-

Part:- (a):-

```
#include <iostream>
using namespace std;
int main ()
{
    float total = 0;
    cout << "Enter a number:";
    int a;
    cin >> a;
    total = total + a;
    cout << "Enter next number:";
    int b;
    cin >> b;
    total = total + b; → (correction)
    double average = total/2;
    cout << "Average is:" << average << "\n";
    return 0;
}
```

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2

Question ≈ 03
Part :- b :-

The output of the following
code is ≈ 32767

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Question ≈ 01 :-

Part :- b :-

First method :-

For inserting new  
line we can use `\n`  
for new line.

2nd method :-

Another way  
to insert a new line  
is with the `<<endl;`  
manipulator.

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(3)

Part:- (a):

Reasons:-

1):- It helps a developer to explain logic of codes.

2):- They are added with the purpose of making codes easier for human to understand.

3):- These comments gives an idea that how the code is working.

In C++ there are two types of comments.

i):- Single line comment:-
It is represented by //

ii):- Multi line comment:-

It is represented by

```
/* Text */
```

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(4)

Part: (c):-

Answer:-

If-else ~ The if else statement executes two different codes depending upon whether the tested expression is true or false.

Nested-If-else ~

This statement allows you to check for multiple test expression and execute different codes for more than two condition.

Part: (d):-

Answer:-

Nested loop:-

It is a loop with in a loop an inner loop with in the body of an outer one then the

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∴ (5):-

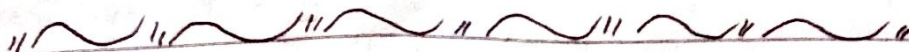
second pass of the outer loop trigger the inner loop again this repeats until the outer loop finishes. of course a break within either the inner or outer loop would interrupt their process.

Example:-

```
#include <iostream.h>
void main()
{
  int i, j;
  for (i=1; i<5; i++)
  { cout << "\n";
    for (j=1; j<=i; ++j)
    cout << "★"; } }
```

Output:-

```
          ★
         ★ ★
        ★ ★ ★
       ★ ★ ★ ★
```



-(6):-

Question = 02 :-

Solution :-

```
#include <iostream>
using namespace std;
int main()
{
    int a[10];
    int temp;
    int counter = 0;
    int answer = 1;
    for (int i = 0; i < 10; i++)
    {
        cout << "Enter number" << i + 1 << " : ";
        cin >> temp;
        if (temp >= 0) {
            a[i] = temp;
            counter++;
        }
        else {
            break;
        }
    }
    for (int j = 0; j < counter; j++)
```

next page →



(7)

```
{  
    answer = answer * a [j];  
}  
cout << answer;  
return 0;  
}
```

Out put:-

Enter number 1: = 4

Enter number 2: = 8

Enter number 3: = -1

32

Process exited after 4.936 seconds

Press any key to continue.....

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THE END

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